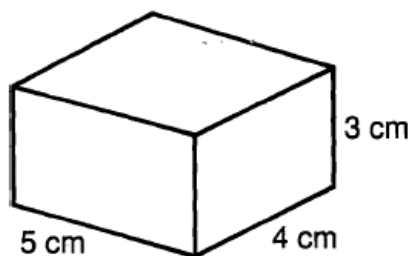


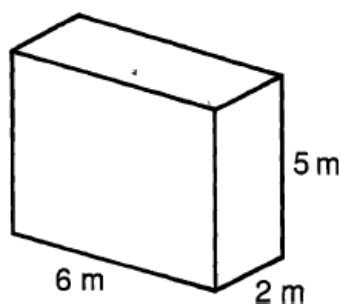
What Happened to Zelda After She Swallowed Two Nickels, Three Dimes, and a Quarter?

Give the SURFACE AREA of each prism. Find your answer in the answer columns and notice the two letters next to it. Write these letters in the spaces over the exercise number at the bottom of the page.

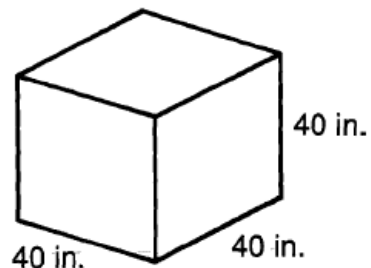
①



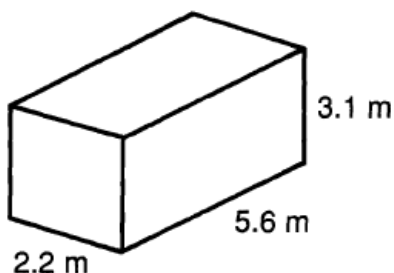
②



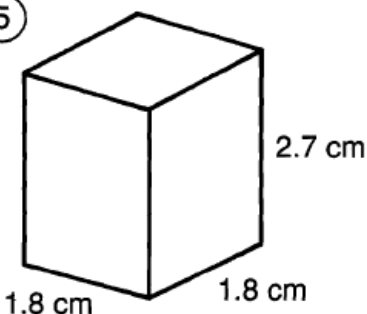
③



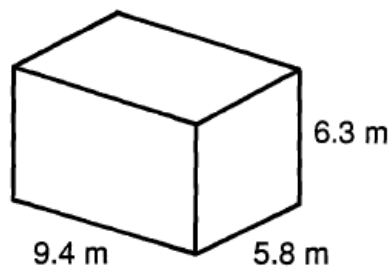
④



⑤



⑥



⑦

A rectangular storage box is 12 in. wide, 15 in. long, and 9 in. high. How many square inches of colored paper are needed to cover the surface of the box?

⑧

A teacher made a pair of foam dice to use in math games. Each cube measured 10 in. on a side. How many square inches of fabric were needed to cover the two cubes?

(TH) 73 m²

Answers

(OB) 8,560 in.²

(AL) 23.12 cm²

(AS) 94 cm²

(ER) 318.26 m²

(NO) 25.92 cm²

(EW) 846 in.²

(IT) 86 m²

(AN) 9,600 in.²

(PL) 1,050 in.²

(ER) 104 m²

(CH) 1,200 in.²

(GE) 300.56 m²

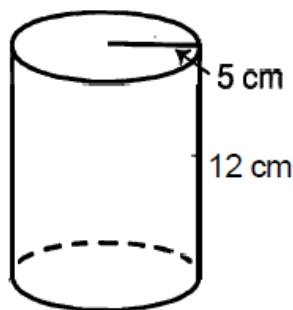
(TR) 85 cm²

4	2	7	1	5	8	3	6										

Why Did Humpty Dumpty Have a Great Fall?

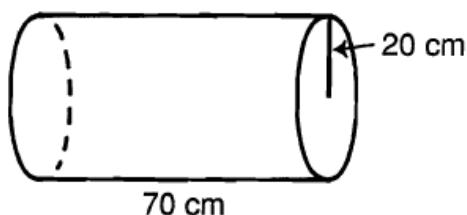
Do each exercise and find your answer in the answer column. Write the letter of the answer in each box containing the number of the exercise. Use 3.14 for π .

Find the lateral area and the total surface area of each cylinder.



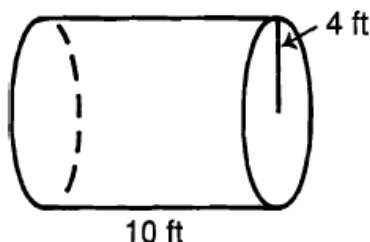
① lateral area: _____

② total area: _____



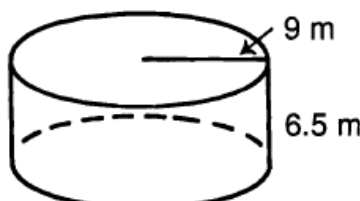
⑤ lateral area: _____

⑥ total area: _____



③ lateral area: _____

④ total area: _____



⑦ lateral area: _____

⑧ total area: _____

II. Find the total surface area of each cylinder.

⑨ $r = 3$ cm
 $h = 10$ cm

⑩ $r = 8$ in.
 $h = 8$ in.

⑪ $d = 10.8$ m
 $h = 2.6$ m

III. Solve.

⑫ A can of tomato juice is a cylinder with a radius of 7.5 cm and a height of 20 cm. What is the area of the label around the can?

⑬ A steel oil tank is a cylinder with a diameter of 12 ft and a height of 18 ft. How many square feet of steel were needed to make the tank?

- Y 412.18 ft²
- R 803.84 in.²
- H 792.16 m²
- T 251.2 ft²
- M 904.32 ft²
- L 861.6 cm²
- S 367.38 m²
- D 376.8 cm²
- P 244.92 cm²
- C 815.18 ft²
- K 11,304 cm²
- B 942 cm²
- E 351.68 ft²
- N 775.14 in.²
- U 533.8 cm²
- A 271.296 m²
- O 876.06 m²
- V 12,412 cm²
- F 8,792 cm²
- I 311.046 m²

3	8	13	11	6	4	2	9	5	8	10	11	12	11	1	7	2	13	13	4	10
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